

With regard to the rejection of claims 7-10 being anticipated by U.S Patent No. 2,966,081 to Kallio it is respectfully traversed. Once again a drill bit is being compared to an end mill, but these are two tools which operate differently. A drill bit's cutting edge is at its end point and functions to penetrate material to create a hole, whereas an end mill's cutting edge is on its periphery and cuts perpendicular to the axial direction, not axial like a drill bit.

In the '081 patent the cutting edge is 31 as defined by the inventor and 25 is a margin which does not function as a cutting edge. Margin 25 is not a cutting edge, this is the leading edge (cylindrical land) and the convex form 32 is not a rake angle surface. Please note the language at column 3, lines 46-50, " It will be noted that in this type of drill, all cutting is performed outwardly of the lands 28 in the portion defined by the surface 29 which extends conically with respect to the drill axis and which are formed with a suitable relief angle." (Underline added for emphasis). Thus, the cutting in the '081 patent occurs on the axial end and not on the lateral sides.

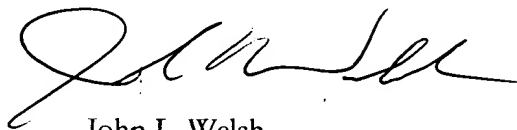
The second section as shown in the Examiner's Demo is the back of a tooth and cannot in anyway be construed as the second section of the tooth face as defined and claimed by Applicant. One cannot merely name parts of a drill bit in order to construct a rejection.

Assuming for purposes of argument that margin 25 is a cutting edge, the drawings fail to show each and every element claimed. That is convex portion 26 would not be part of the cutting edge. In Figure 8, 25 is on one side of 31 and 26 is on the other, thus these two surfaces cannot be on the same tooth face.

It is believed that this case is in condition for allowance and reconsideration thereof and early issuance is respectfully requested.

If it is felt that an interview would expedite prosecution of this application, please do not hesitate to contact applicants' representative at the below number.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'John L. Welsh', with a stylized, cursive script.

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